Item 2.2: IOC Update

34th Meeting of Joint IHO-IOC GEBCO Guiding Committee

Busan, Republic of Korea

16 - 17 November 2017

Julian Barbière

Head, Marine Policy and Regional Coordination Section

Intergovernmental Oceanographic Commission/UNESCO

Member States:

- 148 Member States (as of 11 Feb 2016)
- Most recent member of IOC: Nauru
- Small Islands Developing States (SIDS) membership in IOC: 35

IOC Medium-Term Strategy 2014-2021

- Healthy ocean ecosystems
- Effective early warning systems for tsunamis and others
- Increased resiliency to climate change and variability
- Enhanced knowledge of emerging ocean science issues

5-9 June 2017, New York

IOC participated in the United Nations Ocean Conference with a strong and ubiquitous presence

IOC's engagement in the 2030 Agenda as several targets of Sustainable Development Goal (SDG) 14 are directly relevant to the Commission's activities.

10 Voluntary commitments put forward

IOC is playing an active role in the definition of a global SDG indicator framework for specific targets (14.3.1 & 14.A.1).

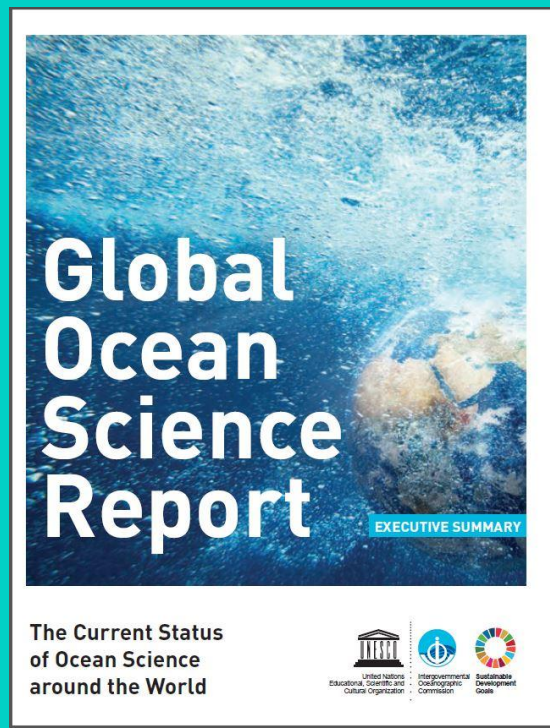
June 2017

launch of the first ever Global Ocean Science Report (GOSR)

First assessment of the status and trends in ocean science capacity for generating the knowledge needed to ensure a healthy and sustainable ocean and fully harness the potential of the ocean for achieving the 2030 Agenda for Sustainable Development

Identify and quantify key elements of ocean science at the national, regional and global scales

first collective attempt to systematically highlight opportunities as well as capacity gaps to advance international collaboration in ocean science and technology



http://en.unesco.org/gosr

29th IOC Assembly (21-19 June 2017, Paris)

Decision IOC-XXIX/8.1 II. IHO-IOC GEBCO Guiding Committee

Recalling Decision EC-XLIX/4.4 on the "IOC Role in Support of the General Bathymetric Chart of the Oceans (GEBCO) Project, State of Progress in the Associated Review",

Takes note of the report of the Thirty-third Meeting of the GEBCO Guiding Committee and GEBCO Guiding Committee Biennial Report for the period 2015–2017;

Welcomes the establishment of the IOC Working Group on user requirements and contributions to GEBCO products, and requests the Working Group to provide its assessment report to the IOC Executive Council at its 51st session;

Encourages Member States to support GEBCO activities and facilitate GEBCO capacity development including training opportunities.

Budget allocation for GEBCO in 2018-2019 IOC programme & budget

Decision IOC-XXIX/8.1

I. Improving the Availability of Bathymetric Data Worldwide

Recognizing the continued need for bathymetry products by the IOC scientific community and that access to high quality bathymetry is important not only for navigation but also for other purposes including ocean science, tsunami warning and preparedness and climate modelling,

Welcomes the outcome of the Forum for Future Ocean Floor Mapping, (June 2016, Monaco) and subsequent development by the GEBCO Guiding Committee of the Seabed 2030 proposal for improving bathymetry globally;

Further welcomes the support of IHO to collaborate with IOC in the development and implementation of the International Decade of Ocean Sciences for Sustainable Development, including in areas related to ocean mapping;

Encourages IOC Member States to consider contributing to IHO-IOC GEBCO project and the IHO Data Centre for Digital Bathymetry;

Nominates of a Regular IOC Working Group on User Requirements and Contributions to GEBCO Products

1. Experts representing IOC Programmes/Subsidiary Bodies

GEBCO	Dr. Enrique Alvarez-Fanjiul (Puertos del Estado, Spain)
JCOMM	Dr. Emanuela Clementi (INGV, Italy)
IODE	Mr. Norio Baba (JHOD, Japan) Prof. Desiderius Masalu (Univ of Dar es Salaam, Tanzania)
GLOSS	Prof. Gary Mitchum (Univ of South Florida, USA)
TOWS-WG	Dr. Alexander Postnov (SOI, Russia)
IOCARIBE	Félix Frías Ibarra (INEGI, Mexico)

2. Member State representatives

Brasil, China, Germany, Japan, Malaysia, Mexico, Norway, Peru, Portugal, Republic of Korea, Slovenia, Spain, Sri Lanka

As of Nov 1, 2017

29th IOC Assembly establishes the IOC Group of Experts on Capacity Development with the following terms of reference:

(i) Assist global and regional programmes with the implementation of capacity development needs assessments in a consistent manner;

(ii) Assist global and regional programmes with the development of programmatic and regionally relevant capacity development work plans based on the IOC CD strategy

(iii) Assist with the mobilization of financial and in-kind resources to enable the implementation of global and regional capacity development work plans;

(iv) provide advice to global and regional programmes on relevant methods and tools to improve the quality and impact of CD efforts;

(v) advise the Assembly on, and start implementation of, the Transfer of Marine Technology Clearing House Mechanism (CHM) as requested by the *IOC Criteria and Guidelines on the Transfer of Marine Technology*

- Need a representative of GEBCO on the IOC CD Group

IOC Contribution to Conservation and Sustainable Use of Marine Biological Diversity of Areas beyond National Jurisdiction (BBNJ)

10-21 July 2017

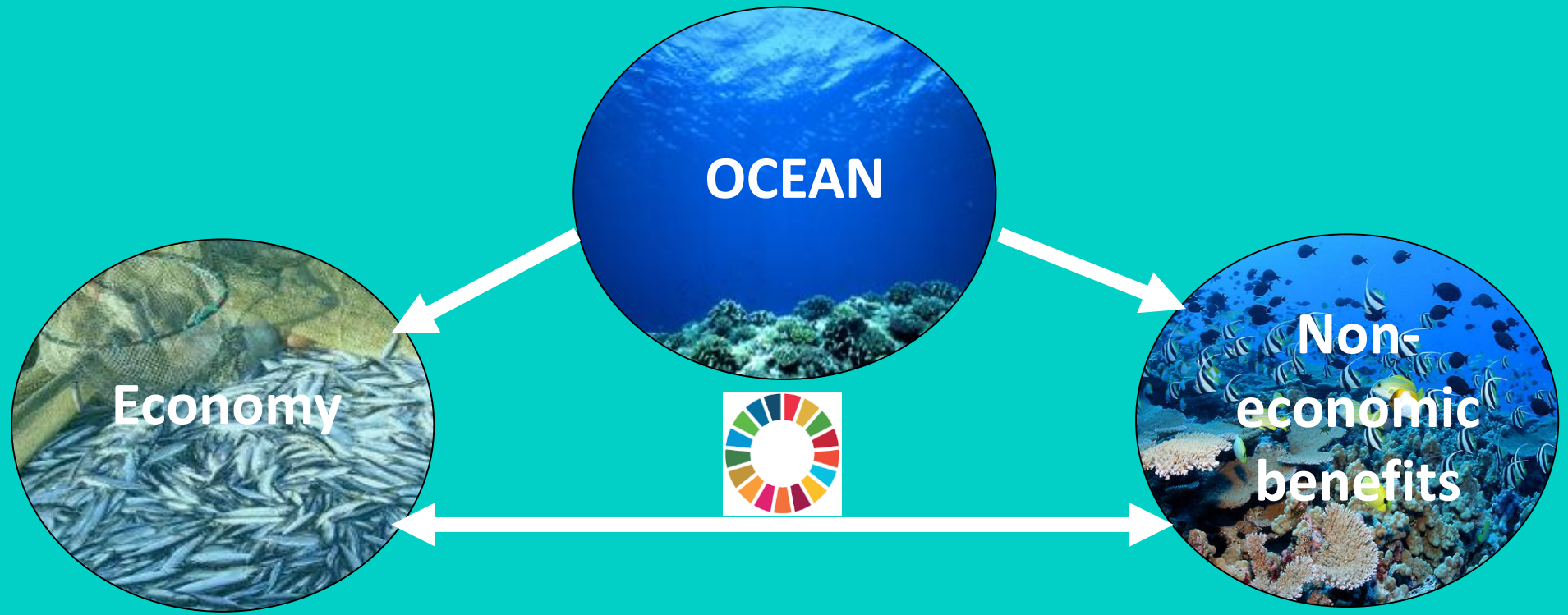
BBNJ PrepCom-4 New York

Fourth Session of the Preparatory Committee on the development of an international legally binding instrument under the BBNJ

- Intersessional WG to examine contribution to BBNJ
- Potential Areas of IOC's Contribution:
  1. marine scientific research
  2. capacity development and transfer of marine technology
  3. data and information management

The International Decade of Ocean Science for Sustainable Development 2021-2030

Knowledge and capacity for sustainable development

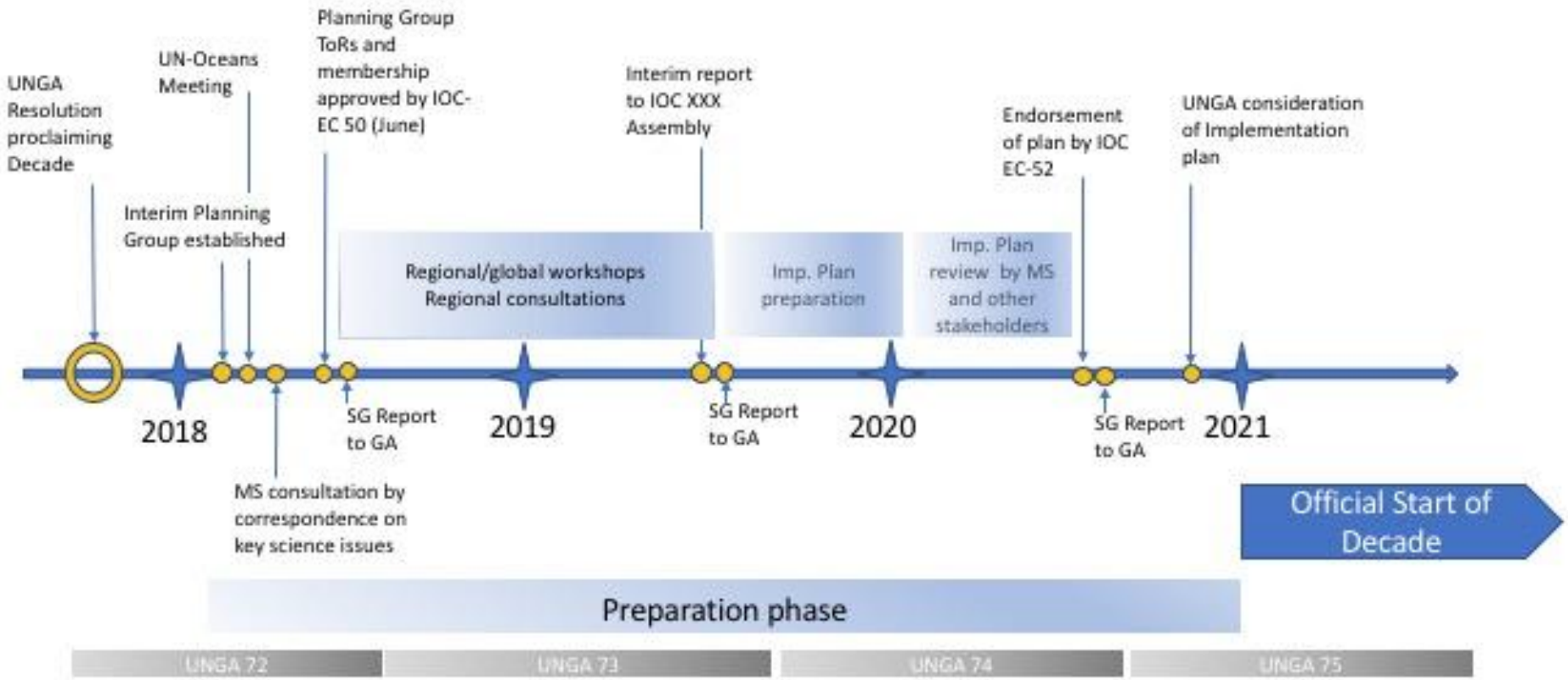


Preliminary Objectives of the Decade

- Stimulate a global partnership on the marine science requirements needed to support implementation of the 2030 Agenda;
- Understand impacts of cumulative stressors and seek sustainable solutions for sustaining benefits from the ocean;
- Share knowledge and enhance capacities through the transfer of marine technology, leading to benefits for all Member States, particularly for SIDS and LDCs;
- Gain a better quantitative knowledge of ocean dynamics, ecosystems and their contribution to society;
- Map the ocean floor and its resources to support their sustainable management.

Where should we be by 2030

- A new generation of observing technologies for the ocean expanded to include more biological, biodiversity and ecosystem related parameters
- Use of new generation modelling tools for prediction of ocean conditions, including acidification
- Complete mapping of the ocean conditions, bathymetry, subduction zones and hot vents, functions and roles of biodiversity in areas beyond national jurisdiction
- Strengthened and directed capacity building linked to technology transfer, including new technologies, and sustained observations with related training
- An information portal responding to the new role of science in communication and use of scientific results, regularly providing and updating information on the state of the ocean



Proposed timeline for establishment of
International Decade of Ocean Science for Sustainable Development

Thank you!

Merci beaucoup!

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